

## Prof. İNCİ ZEHRA TOGAN

### Personal Information

**Email:** togan@metu.edu.tr

**Web:** <https://avesis.metu.edu.tr/togan>

### Advising Theses

- TOGAN İ. Z., Genetic structure of modern and ancient swordfish populations from coasts of Turkey, Doctorate, E.YÜNCÜ(Student), 2017
- TOGAN İ. Z., Genetic diversity of gazelles (*gazella marica* and *gazella gazella*) in southeast Turkey: With a special emphasis on ongoing conservation studies of *gazella marica* in Turkey, Postgraduate, F.DİLAN(Student), 2015
- TOGAN İ. Z., Ancient dna isolation and mitochondrial dna analysis of human samples from Çemi·alo Sirtı, Batman in Southeast Anatolia, Postgraduate, R.YAKA(Student), 2015
- TOGAN İ. Z., A short fragment of ancient DNA and its use in determination of sheep mitochondrial dna haplogroups in Southeast Anatolia, Postgraduate, N.DİLŞAD(Student), 2013
- TOGAN İ. Z., Revealing the history of Anatolian sheep domestication by using retrovirus integrations, Postgraduate, İ.CİHAN(Student), 2013
- TOGAN İ. Z., Genetic diversity of sheep breeds focusing on conservation research in Turkey, Doctorate, S.CAN(Student), 2012
- TOGAN İ. Z., Surveillance of prion protein (PrP) gene polymorphisms in Turkish native sheep breeds, Postgraduate, B.UZUN(Student), 2012
- TOGAN İ. Z., MtDNA based genetic diversity of native sheep breeds and Anatolian mouflon (*Ovis gmelinii Anatolica*) in Turkey, Postgraduate, S.DEMİRCİ(Student), 2012
- TOGAN İ. Z., Bioinformatic analyses in microsatellite-based genetic diversity of Turkish sheep breeds, Postgraduate, H.ACAR(Student), 2010
- TOGAN İ. Z., Genotyping of beta-casein, kappa-casein and beta-lactoglobulin genes in turkish native cattle breeds and efforts to delineate BCM-7 on human PBMC, Doctorate, H.DİNÇ(Student), 2009
- TOGAN İ. Z., Reassessment of genetic diversity in native turkish sheep breeds with large numbers of microsatellite markers and mitochondrial DNA (MTDNA), Postgraduate, Ş.ANIL(Student), 2009
- TOGAN İ. Z., Mitochondrial DNA (MTDNA) haplogroup composition in Turkish sheep breeds, Postgraduate, E.YÜNCÜ(Student), 2009
- TOGAN İ. Z., Camera trapping large mammals in yenice forest habitats: A feasibility study for camera trapping large mammals in Yenice forests, Turkey, Doctorate, Ö.EMRE(Student), 2008
- TOGAN İ. Z., Polymorphism of prolactin (PRL), diacylglycerol acyltransferase (DGAT-1) and bovine solute carrier family 35 member 3 (SLC35A3) genes in native cattle breeds and its implication for Turkish cattle breeding, Postgraduate, E.ŞEYMA(Student), 2007
- TOGAN İ. Z., Comparative analyses for the central asian contribution to Anatolian gene pool with reference to Balkans, Doctorate, C.CANER(Student), 2006
- TOGAN İ. Z., Effect of traditional starter cultures on quality of cheese, Postgraduate, F.KAYAGİL(Student), 2006
- TOGAN İ. Z., An extended study on the Alu insertion polymorphisms in Anatolian human population, Postgraduate, C.ŞEKERYAPAN(Student), 2005
- TOGAN İ. Z., Mitochondrial DNA (MTDNA) sequence analyses of Kangal dogs in Turkey, Postgraduate, Ç.GÖKÇEK(Student), 2005
- TOGAN İ. Z., Genetic diversity of native and crossbreed sheep breeds in Anatolia, Doctorate, E.KOBAN(Student), 2004
- TOGAN İ. Z., Combined effects of the 4-nonylphenol and fish kairomones on the survival, morphology and life history

traits of *Daphnia magna* straus, Postgraduate, H.ELİF(Student), 2002

TOGAN İ. Z., CTVV loci in Turkish and Western Central Asian populations and their forensic values, Postgraduate, G.ÇETİNKAYA(Student), 2002

TOGAN İ. Z., Database of sheep breeds in Turkey, Postgraduate, S.CAN(Student), 2002

TOGAN İ. Z., Alkylphenols in two rivers of Turkey and assessment of nonylphenol bioaccumulation leading to histological and biochemical changes in the liver of rainbow trout, Doctorate, C.UĞUZ(Student), 2001

TOGAN İ. Z., 9-bp deletion, alu insertion and microsatellite polymorphisms in Anatolia and Central Asian Turks, Postgraduate, S.İÇENER(Student), 2001

TOGAN İ. Z., Genetic identity of Anatolian Shepherd Dog (ASD) population using microsatellites, Postgraduate, E.KOBAN(Student), 2001

TOGAN İ. Z., Ros1, RAG1, RAG3' and IGF2 RFLP analysis of some hotchery rainbow trout (*oncorhynchus mykiss*) populations in Turkey, Postgraduate, C.CANER(Student), 2001

TOGAN İ. Z., Spectroscopic analysis of the livers in rainbow trout (*oncorhynchus mykiss*) exposed to nonylphenol, Postgraduate, G.ÇAKMAK(Student), 2001

TOGAN İ. Z., The status of gray wolf (*Canis lupus* L. 1758) brown bear (*Ursus arctos* L. 1758) and evrasian lynx (*Lynx lynx* L.1758) in Turkey and recommendation for effective convercation programs, Postgraduate, Ö.EMRE(Student), 2001

TOGAN İ. Z., DNA isolation and PCR amplification from sheep samples obtained by non-destructive sampling, Postgraduate, C.BEKPEN(Student), 2001

TOGAN İ. Z., An Archaeometric study on the iron age plant samples from Patnos (Ağrı), Postgraduate, K.ÖZDEMİR(Student), 1999

TOGAN İ. Z., Genetic differentiation in Turkish broum trout (*Salmo trutta* L.) populations as revealed by protein polymoplusm, Postgraduate, E.PLAN(Student), 1999

TOGAN İ. Z., A preliminary study on genetic differentiation among Turkish brown trout (*Salmo trutta* L.) populations as revealed by RFLP analysis of PCR amplified mitochondrial DNA segments, Postgraduate, F.GEZGİN(Student), 1999

TOGAN İ. Z., Alu insertion polymorphisms in Anatolia., Postgraduate, F.ÖZBAŞ(Student), 1998

TOGAN İ. Z., The Genetic structure of Anatolian Turkish population based on fifteen loci, Doctorate, A.ERGÜVEN(Student), 1997

TOGAN İ. Z., Morphological and genetic variability among four populations of broun trout (*salma trutta* L.) in Turkey, Postgraduate, A.ERDİNÇ(Student), 1996

TOGAN İ. Z., Distribution of 6LO I genotypes among normal individuals, cancer patients and diabetic patients in Turkey, Postgraduate, A.YILMAZ(Student), 1996

TOGAN İ. Z., A study on the structures of natural trout populations in Turkey, Postgraduate, A.ZEHRA(Student), 1995

TOGAN İ. Z., A Study on the red cell enzyme and blood group polymorphisms in Turkish populations, Postgraduate, İ.DERELİ(Student), 1994

TOGAN İ. Z., The Red cell enzyme and blood group polymorphisms in Turkey, Postgraduate, A.ERGÜVEN(Student), 1993

TOGAN İ. Z., Molecular events in the activation of cell cycle, Postgraduate, D.DEDEOĞLU(BİLGİN)(Student), 1992

TOGAN İ. Z., Electrophoretic analysis of genetic variability in the house fly (*musca domestica* L.), Postgraduate, Ş.KOCABAŞ(Student), 1989

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Demography of swordfish (*Xiphias gladius* Linneus) populations from the coasts of Turkey, based on mitochondrial DNA and microsatellites**  
Yuncu E., Acan S. C., ONAR V., Karakulak F. S., GÖKOĞLU M., Alicli T. Z., Chiriboga F., Togan I., Ozer F.  
JOURNAL OF FISH BIOLOGY, vol.99, no.1, pp.37-48, 2021 (SCI-Expanded)
- II. **Y-Chromosome Polymorphisms in 12 Native, Karagul, Karacabey Merino Breeds from Turkey and Anatolian Mouflon (*Ovis gmelinii anatolica*)**  
PARMAKSIZ A., Oymak A., Yuncu E., Demirci S., KOBAN BAŞTANLAR E., ÜNAL E. Ö., Togan I., Ozer F.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGISI, vol.24, no.6, pp.821-828, 2018 (SCI-Expanded)
- III. **Archaeogenetics of Late Iron Age Cemialo Srt, Batman: Investigating maternal genetic continuity in**

**north Mesopotamia since the Neolithic**

Yaka R., Birand A., Yilmaz Y., Caner C., Acan S. C., Gunduzalp S., Parvizi P., Ozdogan A. E., Togan I., SOMEL M.  
AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY, vol.166, no.1, pp.196-207, 2018 (SCI-Expanded)

- IV. **The Demographic Development of the First Farmers in Anatolia**  
Kilinc G. M., Omrak A., Ozer F., Gunther T., Büyükkarakaya A. M., Bicakci E., Baird D., Donertas H. M., Ghalichi A., Yaka R., et al.  
CURRENT BIOLOGY, vol.26, no.19, pp.2659-2666, 2016 (SCI-Expanded)
- V. **Growth hormone (GH), prolactin (PRL), and diacylglycerol acyltransferase (DGAT1) gene polymorphisms in Turkish native cattle breeds**  
ÜNAL E. Ö., Kepenek E. S., Dinc H., Ozer F., Sonmez G., TOGAN İ. Z., SOYSAL M. I.  
TURKISH JOURNAL OF ZOOLOGY, vol.39, no.5, pp.734-748, 2015 (SCI-Expanded)
- VI. **Mitochondrial DNA Diversity of Modern, Ancient and Wild Sheep (*Ovis gmelinii anatolica*) from Turkey: New Insights on the Evolutionary History of Sheep**  
Demirci S., Bastanlar E. K., Dagtas N. D., PİŞKİN E., ENGİN A., Ozer F., Yuncu E., Dogan S. A., TOGAN İ. Z.  
PLOS ONE, vol.8, no.12, 2013 (SCI-Expanded)
- VII. **Comparative study of three simple molecular approaches in search of mtDNA haplogroup identification of domestic sheep**  
Yuncu E., Demirci S., Bastanlar E. K., Dogan S. A., Tasdemir U., Togan I.  
SMALL RUMINANT RESEARCH, vol.114, no.1, pp.64-71, 2013 (SCI-Expanded)
- VIII. **Beta-casein A1/A2, kappa-casein and beta-lactoglobulin polymorphisms in Turkish cattle breeds**  
Dinc H., Ozkan E., Koban E., Togan I.  
ARCHIV FÜR TIERZUCHT-ARCHIVES OF ANIMAL BREEDING, vol.56, pp.650-657, 2013 (SCI-Expanded)
- IX. **Genetic Structure and Variation of Van Cats**  
ALTUNOK V., Yüksek N., Berkman C. C., Agaoglu Z. T., Togan I.  
BIOCHEMICAL GENETICS, vol.49, pp.511-522, 2011 (SCI-Expanded)
- X. **The wildcat *Felis silvestris* in northern Turkey: assessment of status using camera trapping**  
Can O. E., KANDEMİR İ., Togan I.  
ORYX, vol.45, no.1, pp.112-118, 2011 (SCI-Expanded)
- XI. **Effects of 4-nonylphenol, fish predation and food availability on survival and life history traits of *Daphnia magna* straus**  
BEKLİOĞLU M., AKKAŞ S. B., Ozcan H. E., Bezirci G., Togan I.  
ECOTOXICOLOGY, vol.19, no.5, pp.901-910, 2010 (SCI-Expanded)
- XII. **Effects of Nonylphenol on Growth Parameters and Antioxidant Defense System in Japanese Quails (*Coturnix japonica*)**  
Avci G., Uguz C., BAYRAM İ., ERDOĞAN M., KÜÇÜKKURT İ., Akbulut M. D., ÖZDEMİR M., LENGER Ö. F., Iscan M., Togan I.  
KAFKAS UNIVERSİTESİ VETERİNER FAKÜLTESİ DERGİSİ, vol.16, no.4, pp.537-546, 2010 (SCI-Expanded)
- XIII. **Camera trapping of large mammals in Yenice Forest, Turkey: local information versus camera traps**  
Can O. E., Togan I.  
ORYX, vol.43, no.3, pp.427-430, 2009 (SCI-Expanded)
- XIV. **Genetic relationship between Kangal, Akbash and other dog populations**  
Koban E., Gokcek-Sarac C., Acan S. C., Savolainen P., TOGAN İ. Z.  
DISCRETE APPLIED MATHEMATICS, vol.157, no.10, pp.2335-2340, 2009 (SCI-Expanded)
- XV. **The Asian contribution to the Turkish population with respect to the Balkans: Y-chromosome perspective**  
Berkman C. C., TOGAN İ. Z.  
DISCRETE APPLIED MATHEMATICS, vol.157, no.10, pp.2341-2348, 2009 (SCI-Expanded)
- XVI. **Alu insertion polymorphisms and an assessment of the genetic contribution of Central Asia to Anatolia with respect to the Balkans**  
Berkman C. C., Dinc H., Sekeryapan C., Togan I.  
AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY, vol.136, no.1, pp.11-18, 2008 (SCI-Expanded)

- XVII. 17 beta-estradiol induced compositional, structural and functional changes in rainbow trout liver, revealed by FT-IR spectroscopy: A comparative study with nonylphenol**  
Cakmak G., Togan I., Severcan F.  
AQUATIC TOXICOLOGY, vol.77, no.1, pp.53-63, 2006 (SCI-Expanded)
- XVIII. Allele frequencies for ten A/u insertion polymorphisms in Anatolian population**  
Dinc H., Togan I.  
JOURNAL OF FORENSIC SCIENCES, vol.50, no.5, pp.1221-1222, 2005 (SCI-Expanded)
- XIX. Evolutionary relationship among three native and two crossbreed sheep breeds of Turkey: preliminary results**  
Soysal M., Koban E., Ozkan E., Altunok V., Bulut Z., Nizamlioglu M., Togan I.  
REVUE DE MEDECINE VETERINAIRE, vol.156, no.5, pp.289-293, 2005 (SCI-Expanded)
- XX. Genetic evidence for the distinctness of Kangal dogs**  
Altunok V., Koban E., Chikhi L., Schaffer A., Pedersen N., Nizamlioglu M., Togan I.  
BULLETIN OF THE VETERINARY INSTITUTE IN PULAWY, vol.49, no.2, pp.249-254, 2005 (SCI-Expanded)
- XXI. Accumulation of nonylphenol in Gold fish and Suckermouth catfish in the semi static aquarium system**  
Uguz C., Dagcan A., Iscan M., Togan I.  
INDIAN VETERINARY JOURNAL, vol.81, no.5, pp.581-583, 2004 (SCI-Expanded)
- XXII. Status and management of brown bears in Turkey**  
Can O., Togan I.  
URSUS, vol.15, no.1, pp.48-53, 2004 (SCI-Expanded)
- XXIII. FT-IR spectroscopic analysis of rainbow trout liver exposed to nonylphenol**  
Cakmak G., Togan I., Uguz C., Severcan F.  
APPLIED SPECTROSCOPY, vol.57, no.7, pp.835-841, 2003 (SCI-Expanded)
- XXIV. The bioaccumulation of nonylphenol and its adverse effect on the liver of rainbow trout (Onchorynchus mykiss)**  
Uguz C., Iscan M., Erguven A., Isgor B., Togan I.  
ENVIRONMENTAL RESEARCH, vol.92, no.3, pp.262-270, 2003 (SCI-Expanded)
- XXV. Developmental genetics and physiology of sex differentiation in vertebrates**  
Uguz C., Iscan M., Togan I.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.14, pp.9-16, 2003 (SCI-Expanded)
- XXVI. Alkylphenol concentrations in two rivers of Turkey**  
Uguz C., Togan I., Eroglu Y., Tabak I., Zengin M., Iscan M.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.14, pp.87-88, 2003 (SCI-Expanded)
- XXVII. Turkish population data on the CTTV STR loci**  
Cetinkaya G., Ulkuer U., Togan I.  
JOURNAL OF FORENSIC SCIENCES, vol.48, no.1, pp.218, 2003 (SCI-Expanded)
- XXVIII. DNA diversity and population admixture in Anatolia**  
Di Benedetto G., Erguven A., Stenico M., Castri L., Bertorelle G., Togan I., Barbujani G.  
AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY, vol.115, no.2, pp.144-156, 2001 (SCI-Expanded)
- XXIX. Some of the frequently used biochemical values of serum and plasma in three different populations of Anatolian shepherd dog**  
Altunok V., Maden M., Nizamlioglu M., Togan I.  
REVUE DE MEDECINE VETERINAIRE, vol.152, no.3, pp.261-264, 2001 (SCI-Expanded)
- XXX. Red blood cell enzyme biochemical polymorphism in Anatolian shepherd dog**  
Altunok V., Nizamlioglu M., Erguven A., Togan I.  
REVUE DE MEDECINE VETERINAIRE, vol.150, no.7, pp.625-628, 1999 (SCI-Expanded)
- XXXI. Turkish population data on the HLA-DQ alpha, LDLR, GYPA, HBGG, D7S8, and GC loci**  
Vural B., Atlioglu E., Kolusayin O., Togan I., Buyukdevrim S., Ozcelik T.  
INTERNATIONAL JOURNAL OF LEGAL MEDICINE, vol.111, no.1, pp.43-45, 1998 (SCI-Expanded)
- XXXII. The new geopolitics a Central Asia and its borderlands - Banuazizi,A, Weiner,M**

- Togan I.  
JOURNAL OF ASIAN STUDIES, vol.55, no.3, pp.698-699, 1996 (SSCI)
- XXXIII. **ALLELE FREQUENCIES OF MP6D-9 AND GATT MARKERS IN 32 TURKISH CYSTIC-FIBROSIS FAMILIES**  
OZGUC M., YILMAZ E., ERDEM H., COSKUN T., OZCELIK U., TOGAN I., GOCMEN A., AYTER S., OZALP I.  
CLINICAL GENETICS, vol.45, no.5, pp.266-268, 1994 (SCI-Expanded)
- XXXIV. **IN THE SUBJUNCTIVE MODE - EPILEPSY NARRATIVES IN TURKEY**  
GOOD B., GOOD M., TOGAN I., ILBARS Z., GUVENER A., GELISEN I.  
SOCIAL SCIENCE & MEDICINE, vol.38, no.6, pp.835-842, 1994 (SSCI)
- XXXV. **NOVEL ATTRACTANTS OF GALLERIA-MELLONELLA L (LEPIDOPTERA-PYRALIDAE-GALLERIINAE)**  
TURKER L., TOGAN I., ERGEZEN S., OZER M.  
APIDOLOGIE, vol.24, no.4, pp.425-430, 1993 (SCI-Expanded)

## Articles Published in Other Journals

- I. **MTaxi: A comparative tool for taxon identification of ultra low coverage ancient genomes**  
Atağ G., VURAL K. B., KAPTAN D., Özkan M., Koptekin D., Sağlıcan E., Doğramacı S., Köz M., Yılmaz A., Söylev A., et al.  
Open Research Europe, vol.2, 2023 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Archaeogenomic Insights into Anatolian Demographic History During the Holocene**  
Atakuman Ç., Birand Özsoy A. C., Bilgin C. C., Erdal Y. S., Büyükkarakaya A. M., Götherström A., Gökçümen Ö., Gündüzalp S., Kılınc G. M., Koktekin D., et al.  
MolBiyKon '17, İstanbul, Turkey, 8 - 10 September 2017
- II. **Archaeogenomic analysis of ancient Anatolians: first genetic indication for Neolithic cultural diffusion in the Near East**  
SOMEL M., Kilinc G. M., Ozer F., Omrak A., Yaka R., Donertas M., Dagtas N. D., Yuncu E., Koptekin D., BÜYÜKKARAKAYA A. M., et al.  
85th Annual Meeting of the American-Association-of-Physical-Anthropologists, Georgia, United States Of America, 13 - 16 April 2016, vol.159, pp.297-298
- III. **Two Distinct Anchovy Forms from the North Eastern Mediterranean Inferred by the Analyses of Geometric Morphometry Otolith Fourier Creatin Kinase Loci and Microsatellites**  
KARAHAN A., Borsa P., GÜCÜ A. C., KANDEMİR İ., ÖZKAN ÜNAL E., Ak örek Y., Acan S. C., Koban E., Togan İ.  
Species assemblages, dispersal and connectivity Workshop, Synthesis on knowledge on genetic connectivity in Mediterranean and Black Sea, June 11-13th, 2012 Institut d'Estudis Catalans, Barcelona, Spain, 11 - 13 June 2012
- IV. **FTIR spectroscopic analysis of rainbow trout liver exposed to 17 beta-estradiol**  
Severcan F., Togan I., Cakmak G.  
49th Annual Meeting of the Biophysical-Society, California, United States Of America, 12 - 16 February 2005, vol.88

## Supported Projects

- TOGAN İ. Z., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015
- TOGAN İ. Z., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014
- TOGAN İ. Z., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014
- TOGAN İ. Z., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

2014 - 2014

TOGAN İ. Z., SAATOĞLU F. D., Project Supported by Higher Education Institutions, TÜRKİYE'DE İĞDIR CİVARINDA YENİ OLUŞTURULMUŞ OLAN GAZELLA SUBGUTTUROSA KOLONİSİNİN GENETİK VARYASYONUNUN MİKROSATELİTLERLE SAPTANMASI, 2013 - 2013

TOGAN İ. Z., EKŞİ E., Dağtaş N. D., Project Supported by Higher Education Institutions, "Arkeolojik alanlardan çıkarılmış koyun kemiklerinden elde edilen aDNA kullanılarak evcil koyun evrimini anlamak", 2013 - 2013

TOGAN İ. Z., ÖZGENÇİL İ. K., Project Supported by Higher Education Institutions, AKDENİZ VE EGE DENİZİNDE YAŞAYAN KILIÇBALIĞI POPULASYONLARININ GENETİK YAPISINI MİTOKONDRİYAL DNA ANALİZİ YAPILARAK İNCELENMESİ, 2013 - 2013

TOGAN İ. Z., YÜNCÜ E., Project Supported by Higher Education Institutions, TÜRKİYE'DE BULUNAN ANADOLU MANDASINA AİT ÖRNEKLERİN MİKROSATELİT BELİRTEÇLERİ KULLANILARAK GENETİK KARAKTERİZASYONUN YAPILMASI, 2013 - 2013

TOGAN İ. Z., EKŞİ E., Project Supported by Higher Education Institutions, DENİZSEL TROİA KÜLTÜRÜ DÖNEMİNDE BULUNAN KOYUN KEMİKLERİNİN ANTİK DNA YÖNTEMLERİ İLE ARAŞTIRILMASI VE GENETİK ÇEŞİTLİLİĞİNİN BELİRLENMESİ, 2013 - 2013

TOGAN İ. Z., YAKA R., Project Supported by Higher Education Institutions, İNSAN mtDNA SEKANSLARI İLE ANADOLU'DA BULUNAN GENETİK ÇEŞİTLİLİĞİN ANALİZİ, 2013 - 2013

TOGAN İ. Z., Project Supported by Higher Education Institutions, Anadolu Koyunlarında Gözlenecek Y Kromozomuna Dayalı Polimorfizm Aracılığıyla Koyunlarda Göçlerin Anlaşılmasına Katkıda Bulunmak., 2012 - 2012

TOGAN İ. Z., Project Supported by Higher Education Institutions, Hayvan Kemiklerinden Antik Dna İzole Etmek İçin Laboratuvar Kurulması.komana Arkeolojik Araştırma Projesi Kazılarında Çıkarılmış Koyun Örneklerinden Antik Dna Elde Edilmesi Ve Dna'ya Dayalı Mtdna Haplogrup Tayini., 2011 - 2011

## Metrics

Publication: 41

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